From: Marc Greenberg
To: Jon Rauscher
Cc: Eric Delgado; Matthew Loesel; Paige Delgado; Philip Turner; R6 DWH REOC ESC@EPA; Valmichael Leos
Subject: Re: TPH and hydrocarbon test kits
Date: 05/28/2010 02:25 PM

Jon,

For what it's worth, I agree with your assessment below. Additionally, I have been involved on projects where our technicians used RaPID Assay Kits. They worked well.

Marc S. Greenberg, Ph.D.
Environmental Toxicologist
U.S. EPA - Environmental Response Team
2890 Woodbridge Ave., Bldg. 18
Edison, NJ 08837
+ 732 452 6413 (T)
+ 732 321 6724 (F)
greenberg.marc@epa.gov

▼ Jon Rauscher---05/28/2010 12:21:03 PM---The enzyme linked immunosorbant assays (ELISA) test kits appear to be the most promising field analy

From: Jon Rauscher/R6/USEPA/US
To: Matthew Loesel/R6/USEPA/US@EPA, Valmichael Leos/R6/USEPA/US@EPA, Paige Delgado/R6/USEPA/US@EPA, Eric Delgado/R6/USEPA/US@EPA
Cc: Philip Turner/R6/USEPA/US@EPA, Marc Greenberg/ERT/R2/USEPA/US@EPA, R6 DWH REOC ESC@EPA
Date: 05/28/2010 12:21 PM
Subject: TPH and hydrocarbon test kits

The enzyme linked immunosorbant assays (ELISA) test kits appear to be the most promising field analysis. The colorimetric test kits using the Friedel-Crafts reaction (e.g., Hanby Test Kit) receive poor evaluations and do not appear to be promising for field analysis.

The ELISA test kit that received good evaluations is the SDI BTEX/TPH RaPID Assay Kits. The limitations of the RaPID kits is the need for electrical power (120 volt) and is the inability to differentiate between BTEX and related compounds.

[attachment "RaPID ASSAY t00102.pdf" deleted by Marc Greenberg/ERT/R2/USEPA/US] [attachment "CTPN200525_RaPID BTEXandTPH.pdf" deleted by Marc Greenberg/ERT/R2/USEPA/US]